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Approved for use through 10/31/2002 OMB 0651-0032  
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Attorney Docket No.	TI-33211AA
First Inventor	Gummadi
Title	Boundary Detection Using Multiple Correlations
Express Mail Label No.	EV052595132US

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

See MPEP chapter 600 concerning utility patent application contents.

Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

- |  |  |
|--|--|
| <p>1. <input checked="" type="checkbox"/> <b>Fee Transmittal Form (e.g., PTO/SB/17)</b><br/>(Submit an original and a duplicate for fee processing)</p> <p>2. <input type="checkbox"/> <b>Applicant claims small entity status.</b><br/>See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> <b>Specification</b> [Total Pages <input type="text" value="39"/> ]<br/>(preferred arrangement set forth below)</p> <ul style="list-style-type: none"> <li>- Descriptive title of the invention</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (if filed)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> <p>4. <input checked="" type="checkbox"/> <b>Drawing(s) (35 U.S.C. 113)</b> [Total Sheets <input type="text" value="8"/> ]</p> <p>5. <b>Oath or Declaration</b> [Total Sheets <input type="text" value="1"/> ]</p> <p>a. <input checked="" type="checkbox"/> <b>Newly executed</b> (original or copy)</p> <p>b. <input type="checkbox"/> <b>Copy from a prior application (37 CFR 1.63 (d))</b><br/>(for continuation/divisional with Box 18 completed)</p> <p>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br/>Signed statement attached deleting inventor(s)<br/>named in the prior application, see 37 CFR<br/>1.63(d)(2) and 1.33(b).</p> <p>6. <input type="checkbox"/> <b>Application Data Sheet.</b> See 37 CFR 1.76</p> | <p>7. <input type="checkbox"/> <b>CD-ROM or CD-R in duplicate</b> or large table or Computer Program (Appendix)</p> <p>8. <b>Nucleotide and/or Amino Acid Sequence Submission</b><br/>(if applicable, all necessary)</p> <p>a. <input type="checkbox"/> <b>Computer Readable Form (CRF)</b></p> <p>b. <b>Specification Sequence Listing on:</b></p> <p>i. <input type="checkbox"/> <b>CD-ROM or CD-R (2 copies);</b> or</p> <p>ii. <input type="checkbox"/> <b>paper</b></p> <p>c. <input type="checkbox"/> <b>Statements verifying identity of above copies</b></p> |
|--|--|

## ACCOMPANYING APPLICATION PARTS

- |     |                                     |  |  |
|-----|-------------------------------------|--|--|
| 9.  | <input checked="" type="checkbox"/> | Assignment Papers (cover sheet & document(s))                              |  |
| 10. | <input type="checkbox"/>            | 37 CFR 3.73(b) Statement<br>(when there is an assignee)                    | <input type="checkbox"/> Power of Attorney       |
| 11. | <input type="checkbox"/>            | English Translation Document (if applicable)                               |  |
| 12. | <input type="checkbox"/>            | Information Disclosure<br>Statement (IDS)/PTO-1449                         | <input type="checkbox"/> Copies of IDS Citations |
| 13. | <input type="checkbox"/>            | Preliminary Amendment  |  |
| 14. | <input checked="" type="checkbox"/> | Return Receipt Postcard (MPEP 503)<br>(Should be specifically itemized)    |  |
| 15. | <input type="checkbox"/>            | Certified Copy of Priority Document(s)<br>(if foreign priority is claimed) |  |
| 16. | <input type="checkbox"/>            | (2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.         |  |
| 17. | <input type="checkbox"/>            | Other: .....   |  |

18 If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:


☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No. \_\_\_\_\_  
 Prior application information Examiner Group Art Unit

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label **23494** or ☐ Correspondence address below

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Name (Print/type)	Ira S. Matsil	Registration No. (Attorney/Agent)	35 272
Signature		Date	2/26/02

**Burden Hour Statement:** This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U S Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Box Patent Application, Washington, DC 20231**

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**FEE TRANSMITTAL  
for FY 2002**

Patent fees are subject to annual revision

**Complete if Known**

Application Number	TBD
Filing Date	TBD
First Named Inventor	Gummadi, et al.
Examiner Name	TBD
Group Art Unit	TBD
Attorney Docket No.	TI-33211AA

☐ Applicant Claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT (\$)** 780.00**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit AccountDeposit  
Account  
Number

20-0668

Deposit  
Account  
Name

Texas Instruments Incorporated

**The Commissioner is authorized to: (check all that apply)**☒ Charge fee(s) indicated below ☐ Credit any overpayments☒ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee  
to the above-identified deposit account**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	740.00
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

**SUBTOTAL (1)** (\$) 740.00**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Independent Claims	Multiple Dependent	Extra Claims		Fee from below		Fee Paid	
			19	20**=	0	X		18
2	2		3**=	0	X	84	=	0

**Large Entity**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
103	18	203	9	Claims in excess of 20	
102	84	202	42	Independent claims in excess of 3	
104	280	204	140	Multiple dependent claim, if not paid	
109	84	209	42	**Reissue independent claims over original patent	
110	18	210	9	**Reissue claims in excess of 20 and over original patent	

**SUBTOTAL (2)** (\$) 0

\*\* or number previously paid, if greater, For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)**

(\$) 40.00

**SUBMITTED BY****Complete (if applicable)**

Name (Print/Type)

Ira S. Matsil

Registration No  
(Attorney/Agent)

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Telephone

972-732-1001

Signature

Date

2/26/02

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Gummadi, et al.

Art Unit: TBD

Serial No.: TBD

Examiner: TBD

Filed: Herewith

Docket: TI-33211AA

For: Boundary Detection Using Multiple Correlations

**Certificate of Mailing via Express Mail**

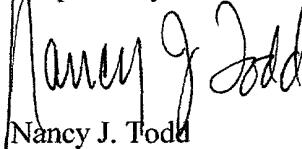
**EXPRESS MAIL** mailing label number: EV052595132US

Date of Deposit: February 26, 2002

I hereby certify that the following documents, which are enclosed, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above in an envelope addressed to: BOX: Patent Application, Commissioner for Patents, Washington, DC 20231:

- Utility Patent Application Transmittal (1 page)
- Complete Copy of Patent Application (47 pages), to include:
  - Specification (39 pages)
  - Formal Drawings (8 pages)
- Declaration and Power of Attorney ( 1 page)
- Assignment Recordation Cover Sheet (1 page)
- Copy of Original Signed Assignments ( 1 page)
- Fee Transmittal (1 original and 1 copy)
- Two (2) Return Postcards

Respectfully submitted,



Nancy J. Todd  
Legal Assistant

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